BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: Estimate for Emergency Works in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.

Job Code:

Estimated Cost: Rs: 20.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Emergency Works in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.

							Est Cost Rs.		2000000.00
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	RCC Drain		1	120.00	1.00	1.00	120.00		
	Culvert		1	6.00	2.00	1.20	14.40		
	Desilting of Drain		1	150.00	0.45	0.45	30.38		
			1	180.00	0.45	0.45	36.45		
							201.23	250.24	**50356.00**
	Basic Rate	130.00							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		236.08							
	Area Weightage @ 6%	14.16							
	Total	**250.24**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.3 of PWD SR 2018-19**	Cum							
	CC Drain		1	120.00	1.00	0.15	18.00		
	Culvert		1	6.00	2.00	0.15	1.80		
							19.80	5408.12	**107081.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
3	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.9, PWD SR 2018-19**	Cum							
			2	6.00	0.60	0.90	6.48		
							6.48	5811.98	**37662.00**
	Basic Rate	5483.00							
	Area Weightage @ 6%	328.98							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**5811.98**							
4	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.1, PWD SR 2018-19**	Sqm							
			2	6.00		0.90	10.80		
							10.80	149.46	**1614.00**
	Basic Rate	141.00							
	Area Weightage @ 6%	8.46							
	Total	**149.46**							
5	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	Ramp		2	150.00		0.60	180.00		
			2	180.00		0.60	216.00		
							396.00	979.44	**387858.00**
	Basic Rate	924.00							
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
6	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	Culvert Coping		1	6.00	1.80	0.10	1.08		
	Ramp		2	6.00	0.90	0.15	1.62		
	Vent Concrete		1	50.00	0.45	0.10	2.25		
			1	35.00	0.45	0.10	1.58		
	Coping		2	150.00	0.20	0.10	6.00		
			2	180.00	0.20	0.10	7.20		
							19.73	5747.32	**113366.00**
	Basic Rate	5422.00							
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2018-19**	Cum							
	For RCC Drain bottom		1	120.00	0.90	0.15	16.20		
	side wall		2	120.00	0.15	0.60	21.60		
							37.80	5770.64	**218130.00**
	Basic Rate	5444.00							
	Area Weightage @ 6%	326.64							
	Total	**5770.64**							
8	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.31 PWD SR 2018-19**	Sqm							
	RCC Drain Side Wall		4	120.00		0.60	288.00		
							288.00	379.48	**109290.00**
	Basic Rate	358.00							
	Area Weightage @ 6%	21.48							
	Total	**379.48**							
9	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 18 / Item No. 4.46.2, PWD SR 2018-19**	Tonne							
				37.80	0.060	T/cum	**2.27**	75223.96	**170608.00**
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	**75223.96**							
10	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge- Data rate	Sqm							
	culvert deck slab		1	6.00		1.80	**10.80**	5418.00	**58514.00**
	Approved Data rate	**5418.00**							
11	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge- Data rate	Sqm							
	Missing Covering Slab		1	120.00		0.90	108.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	125.00		0.90	112.50		
							220.50	2337.00	**515309.00**
	Approved Data rate	**2337.00**							
	Sub Total								**1769788.00**
	GST @ 12%								**212375.00**
	Third Party Inspection Charges @ 1%								**17698.00**
	Add for unforseen and rounding off	L/S							**139.00**
								Total	**2000000.00**
	Rupees Twenty Lakh(s) Only								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19.
3 This work included under 2017-18 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

7/01

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

7/01

Administrative Approval

Accorded For R.S.2018 Calculation
Head of A/C 81771
CER NO : 90 Dt: 07.01.2019

TA

CE (YNK)

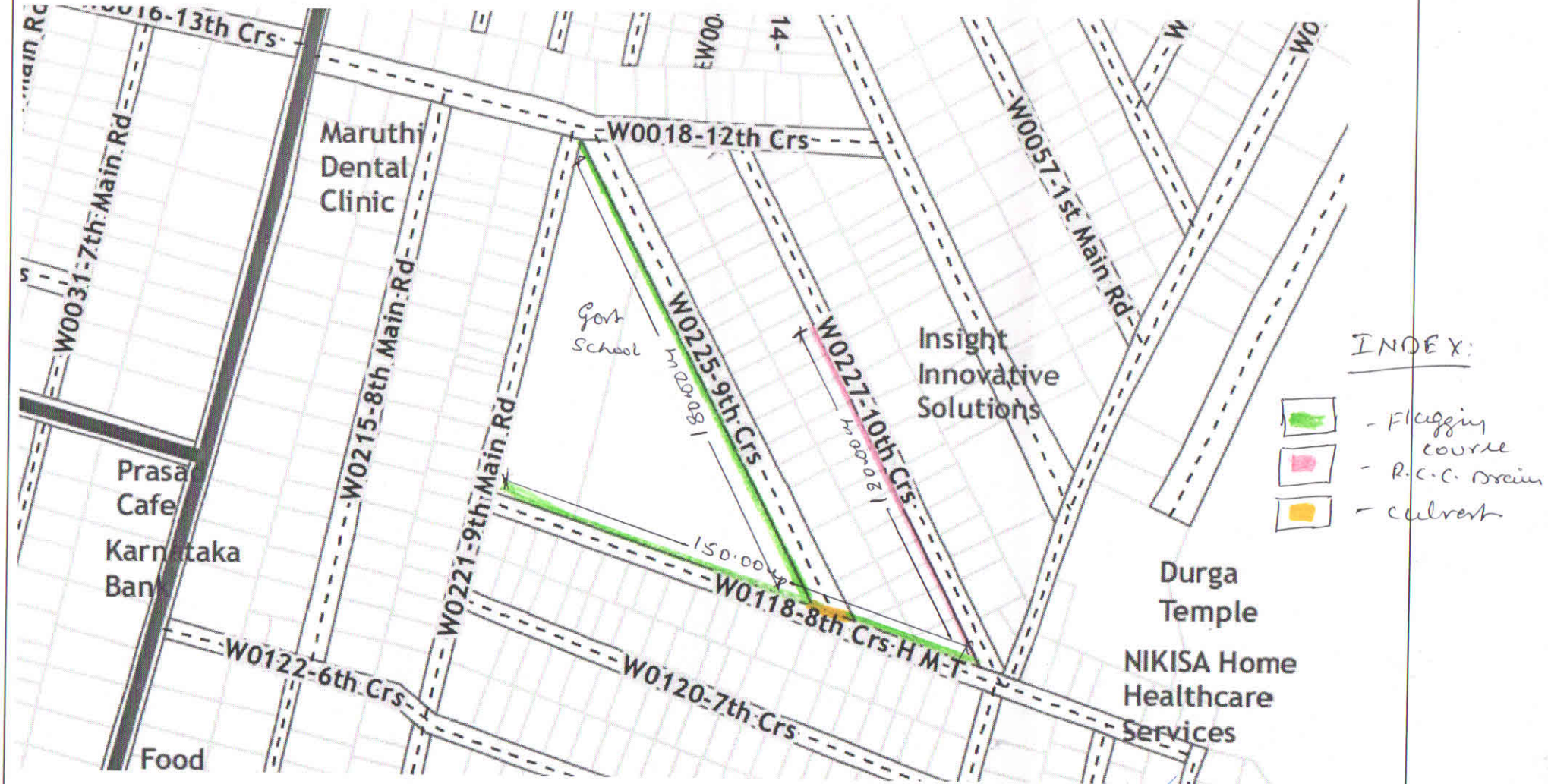
TECHNICAL SANCTION

Accorded For Rs. 20.00 Lakhs only
Head of A/c 81771, POW 2018-19
Div. Ref. No. 110/18-19 Date 01-02-2019

01/02

EE(BTP) 01/02

Name of Work: Emergency Works in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.



Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Assistant Executive Engineer
Vidyaranyapura Sub Division

152 - BYATARAYANAPURA AC
WARD NAME : 9 - VIDYARANYAPURA